

Approved For Release 2002/06/13 : CIA-RDP69B00041R001600010039-9
FULL PRESSURE SUIT TEST LOG

SUBJECT # 46
 SUIT # -3
 OUTER GARMENT W/FLOAT GEAR -3
 HELMET # -2
 GLOVES # -3
 BOOTS ~~1052-1~~ 1052-1

FLIGHT DATE 26 Jan 68
 DON 10:00
 DOFF 1135
 TIME IN SUIT 1435
 TECHNICIAN

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>118</u>	<u>106</u>	<u>120</u>
Differential	<u>1.4</u>	<u>1.2</u>	<u>1.4</u>
Leak Rate	<u>750</u>	<u>800</u>	<u>800</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>116</u>	<u>114</u>	<u>116</u>
Differential	<u>1.4</u>	<u>1.2</u>	<u>1.4</u>
Leak Rate	<u>600</u>	<u>500</u>	<u>600</u>
Unpress Leak Rate	<u>450</u>	<u>450</u>	<u>600</u> 600
Face Heat	<u>✓ OK</u>		
Commo and Cord	<u>✓</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>71</u>		
Packet	<u>✓</u>		
Grease Zippers	<u>✓</u>		
Check Location of CO ₂	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

PRESSURE SUIT HOOK-UP CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Foot rest guards over seat foot rests.
4. ✓ Communications secured and functioning.
5. ✓ Face heat ON (LOW).
6. ✓ Oxygen hoses secured in QD.
7. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
8. ✓ Kit adjusted and surplus stowed.
9. ✓ Two (2) bailout hoses secured.
10. ✓ Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ✓ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ✓ Emergency oxygen lanyard secured and pin removed.
13. ✓ Green apple secured.
14. ✓ Red knob secured, guard removed.
15. ✓ Manual over-ride handle secured.
16. ✓ Two (2) Rocket-Jet releases secured.
17. ✓ Press-to-test both O2 Systems, (LOW pressure-#1 Sys 60/70 #2 Sys 60/70).
18. ✓ Check face heat.
19. ✓ Re-adjust lap belt.
20. ✓ Kit lanyard secured to D-Ring, under Lap Belt.
21. Parachute beacon; AUTOMATIC (✓), UNSNAPPED (✓), SNAPPED ().

22. Departing LOX quantity, #1 System 9.0 #2 System 9.0 TIME 10:30.

23. Returning LOX quantity, #1 System 9. #2 System 9. TIME 1150.

SUBJECT

1046

AIRCRAFT NUMBER

127

25X1A

TECHNICIAN

DATE OF FLIGHT

26 JAN 68

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

- ✓1. Ripcord pins seated (main and first stage).
- ✓2. Check power cable linkage.
- ✓3. Pack opening elastics secured.
- ✓4. First stage jettison mated and pins secured.
- ✓5. Two (2) rocket jet units secured.
- ✓6. Manual over ride handle secured.
- ✓7. Green apple secured.
- ✓8. Red knob secured, guard installed.
- ✓9. Bailout hoses adjusted for HIGH flight.
- ✓10. Bailout hose connectors operating.
- ✓11. Bailout hose safety clip lanyard checked.
- ✓12. Harness adjusted for HIGH flight.
- ✓13. Automatic openers - triggered and reset.
- ✓14. Aneroids (sea level to -7500').
- ✓15. Bailout cylinder pins secured.
- ✓16. Bailout cylinder pressure #1 1800 #2 1800.
- ✓17. Communication cord secured to chute.
- ✓18. Visual inspection completed.
- ✓19. Faceheat battery pack checked.

SURVIVAL KIT:

- ✓1. Yellow handle secured.
- ✓2. Trigger clearance.
- ✓3. Kit disconnects secured.
- ✓4. Lid secured.
- ✓5. Visual condition.

INSTALLATION:

- ✓1. Shoulder harness installed.
- ✓2. Vent hose secured at disconnect.
- ✓3. Kit secured to chute, loose.
- ✓4. Emergency oxygen lanyard secured to chute with pin installed.
- ✓5. Communication cord secured at disconnect.
- ✓6. Vent hose secured to chute.
- ✓7. Pin secured in QD and safetied.
- ✓8. Oxygen system low pressure #1 10/80 #2 90/100.
- ✓9. Pip pin in "D" ring.
- ✓10. Stirrup cables extended and operating freely.
- ✓11. Foot rest guards over seat foot rest.

SUBJECT# 1046 AIRCRAFT # 127 PARACHUTE # 139 SEAT KIT # 46 25X1A
TYPE CUSHION S/B DATE 26 JAN 68 VENT HOSE # 71 TECHNICIAN

SUBJECT # 52
 SUIT # -4
 OUTER GARMENT W/FLOAT GEAR -4
 HELMET # -4
 GLOVES # -5
 BOOTS ~~4~~ - 2

FLIGHT DATE 26 JAN 68
 DON 09:00
 DOFF ~~1135~~ 1425
 TIME IN SUIT ~~2735~~ 5125
 TECHNICIAN

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>116</u>	<u>120</u>	<u>120</u>
Differential	<u>1.4</u>	<u>1.4</u>	<u>1.4</u>
Leak Rate	<u>400</u>	<u>650</u>	<u>700</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>118</u>	<u>120</u>	<u>116</u>
Differential	<u>1.4</u>	<u>1.3</u>	<u>1.4</u>
Leak Rate	<u>500</u>	<u>700</u>	<u>300</u>
Unpress Leak Rate	<u>350</u>	<u>350</u>	<u>500 300</u>
Face Heat	<u>OK</u>		
Comm and Cord	<u>✓</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>76</u>		
Packet	<u>✓</u>		
Grease Zippers	<u>✓</u>		
Check Location of CO ₂	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

PRESSURE SUIT HOOK-UP CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Foot rest guards over seat foot rests.
4. ✓ Communications secured and functioning.
5. ✓ Face heat ON (LOW).
6. ✓ Oxygen hoses secured in QD.
7. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
8. ✓ Kit adjusted and surplus stowed.
9. ✓ Two (2) bailout hoses secured.
10. ✓ Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ✓ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ✓ Emergency oxygen lanyard secured and pin removed.
13. ✓ Green apple secured.
14. ✓ Red knob secured, guard removed.
15. ✓ Manual over-ride handle secured.
16. ✓ Two (2) Rocket-Jet releases secured.
17. ✓ Press-to-test both O2 Systems, (LOW pressure-#1 Sys 75/70 #2 Sys 70/85).
18. ✓ Check face heat.
19. ✓ Re-adjust lap belt.
20. ✓ Kit lanyard secured to D-Ring, under Lap Belt.
21. ✓ Parachute beacon; AUTOMATIC ☒, UNSNAPPED (☒, SNAPPED (☐).
22. Departing LOX quantity, #1 System 9 #2 System 9 TIME 09.29.
23. Returning LOX quantity, #1 System 8.25 #2 System 8.25 TIME 1420.

SUBJECT

1052

AIRCRAFT NUMBER

131

TECHNICIAN

DATE OF FLIGHT

26 JAN 68

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

- ✓ 1. Ripcord pins seated (main and first stage).
- ✓ 2. Check power cable linkage.
- ✓ 3. Pack opening elastics secured.
- ✓ 4. First stage jettison mated and pins secured.
- ✓ 5. Two (2) rocket jet units secured.
- ✓ 6. Manual over ride handle secured.
- ✓ 7. Green apple secured.
- ✓ 8. Red knob secured, guard installed.
- ✓ 9. Bailout hoses adjusted for HIGH flight.
- ✓ 10. Bailout hose connectors operating.
- ✓ 11. Bailout hose safety clip lanyard checked.
- ✓ 12. Harness adjusted for HIGH flight.
- ✓ 13. Automatic openers - triggered and reset.
- ✓ 14. Aneroids (sea level to 7500').
- ✓ 15. Bailout cylinder pins secured.
- ✓ 16. Bailout cylinder pressure #1 1800 #2 1800.
- ✓ 17. Communication cord secured to chute.
- ✓ 18. Visual inspection completed.
- ✓ 19. Faceheat battery pack checked.

SURVIVAL KIT:

- ✓ 1. Yellow handle secured.
- ✓ 2. Trigger clearance.
- ✓ 3. Kit disconnects secured.
- ✓ 4. Lid secured.
- ✓ 5. Visual condition.

5H #5
L-P #2

INSTALLATION:

- ✓ 1. Shoulder harness installed.
- ✓ 2. Vent hose secured at disconnect.
- ✓ 3. Kit secured to chute, loose.
- ✓ 4. Emergency oxygen lanyard secured to chute with pin installed.
- ✓ 5. Communication cord secured at disconnect.
- ✓ 6. Vent hose secured to chute.
- ✓ 7. Pin secured in QD and safetied.
- ✓ 8. Oxygen system low pressure #1 60/70 #2 65/75.
- ✓ 9. Pip pin in "D" ring.
- ✓ 10. Stirrup cables extended and operating freely.
- ✓ 11. Foot rest guards over seat foot rest.

SUBJECT# 1052 AIRCRAFT # 131 PARACHUTE # 124 SEAT KIT # 52

TYPE CUSHION S/B DATE 26 JAN 68 VENT HOSE # 76 TECHNICIAN

25X1A

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 26 Jan 68 ACFT 131 PILOT TIME IN FLIGHT 4+10 TIME IN SUIT 5+30 PREBREATHING TIME 1+00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION ^{#52} S/B3. PARACHUTE S/N 1244. HELMET - 4

A. REFLECTIONS

B. FACE HEAT -

C. COMMUNICATIONS

5. SUIT PROPER - 4A. CABIN DECOMPRESSION: YES NO6. OUTER GARMENT - 47. BOOTS AND SPURS, ^{- 1052-2} Q.D. Type8. GLOVES - 5

9. OXYGEN SYSTEM

25X1A

DEPART		RETURN	
TIME	AMT	TIME	AMT
#1 <u>0929</u>	<u>9.</u>	<u>1420</u>	<u>8.25</u>
#2 <u>0929</u>	<u>9.</u>	<u>1420</u>	<u>8.25</u>

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 26 JAN 68 ACFT 131 PILOT TIME IN FLIGHT 4+10 TIME IN SUIT 5+30 PREBREATHING TIME 1+00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION ^{#52} 5/83. PARACHUTE S/N 1244. HELMET - 4

A. REFLECTIONS

B. FACE HEAT -

C. COMMUNICATIONS

5. SUIT PROPER - 4

A. CABIN DECOMPRESSION: YES

NO6. OUTER GARMENT - 4
- 1052-27. BOOTS AND SPURS, Q.D. Type8. GLOVES - 5

9. OXYGEN SYSTEM

25X1A

DEPART

RETURN

TIME AMT TIME AMT

#1 0929 9. 1420 8.25#2 0929 9. 1420 8.25

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)